

(Substitute) PTO/SB/21 (09-04)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM (to be used for all correspondence after initial filing)	Application Number	09/826,463	
	Filing Date	April 5, 2001	
	First Named Inventor	Nobuto Yamamoto	
	Art Unit	1647	
	Examiner Name	David S. Romeo	
Total Number of Pages in This Submission	105	Attorney Docket Number	Y1004/20017

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form (In duplicate) <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> After Allowance Communication to TC
<input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): - PTO Form 1449A, together with cited references attached - Return Receipt Postcard
<input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	Remarks Please charge Attorney Account No. 03-0075 as necessary to effect entry and/or ensure consideration of this submission.	
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	Caesar, Rivise, Bernstein, Cohen & Pokotilow, Ltd., Customer No. 03000	
Signature		
Printed name	Robert S. Silver	
Date	January 11, 2005	Reg. No. 35,681

CERTIFICATE OF TRANSMISSION/MAILING		
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:		
Signature		
Typed or printed name	Robert S. Silver	Date 35,681

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
PATENT EXAMINING OPERATION**

Applicant: Nobuto Yamamoto

Serial No: 09/826,463

Group Art Unit: 1647

Filed: April 5, 2001

Examiner: David S. Romeo

Att. Docket No.: Y1004/20017

Confirmation No.: 2419

For: PREPARATION OF POTENT MACROPHAGE ACTIVATING FACTORS
DERIVED FROM CLONED VITAMIN D BINDING PROTEIN AND ITS DOMAIN
AND THEIR THERAPEUTIC USAGE FOR CANCER, HIV-INFECTION AND
OSTEOPOROSIS

INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO-1449. Unless otherwise indicated herein, one copy of each reference is attached. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom. No representation is made that the references are prior art with respect to this application.

This Information Disclosure Statement is being filed within three months of the filing date of a national application other than a CPA under 37 CFR § 1.53(d), within three months of the date of entry of the national stage as set forth in 37 CFR § 1.491 in an international application, before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of an RCE under 37 CFR § 1.114. No certification or fee is required. 37 CFR § 1.97(b).

The references were cited by or submitted to the Office in parent application No. 08/618,485, filed March 19, 1996, which is relied upon for an earlier filing date under 35 U.S.C. §120. Thus, copies of these references are not attached. 37 CFR §1.98(d).

Application No. 09/826,463
IDS dated January 11, 2005

A copy of the European Search Report is also enclosed.

Respectfully submitted,

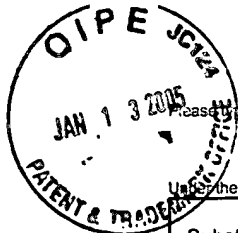
CAESAR, RIVISE, BERNSTEIN,
COHEN & POKOTLOW, LTD.

January 11, 2005

Please charge or credit our Account
No. 03-0075 as necessary to effect
entry and/or ensure consideration of
this submission.

By

Robert S. Silver
Registration No. 35,681
Customer No. 03000
(215) 567-2010
Attorneys for Applicants



Please type a plus sign (+) inside this box ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for PTO/SB/O&A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for Form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheet as necessary)

Complete if Known

Application Number	09/826,463
Filing Date	April 5, 2001
First Named Inventor	Nobuto Yamamoto
Group Art Unit	1647
Examiner Name	David S. Romeo
Attorney Docket Number	Y1004/20017

Sheet 1 of 2

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code (if known)		

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (if known)			
		AA	European Search Report EP 04 07 6092			09/09/2004	

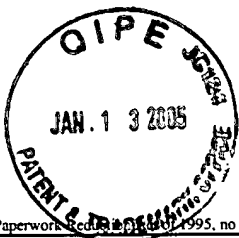
OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T
	AB	Jerne, N.K., Nordin A.A. and Henry C., The Agar Plaque Technique for Recognizing Antibody producing Cells. In Amos and Koprowski (eds.) Cellbound Antibody. Wistar Institute Press, Philadelphia, PA (1963). pp.109-125.	
	AC	Reeves, J.D., August C.S., Humbert, J.R., Weston, W.L. Host Defense in Infantile Osteopetrosis. Pediatrics. 64:202-206 (1979).	
	AD	Marks, S.C., Jr., Congenital Osteopetrotic Mutations as Probes of the Origin, Structure and Function of Osteoclasts. Clin. Orthop. 189:239-263 (1984).	
	AE	Carbonell, L.F., Kloweden, M.J. and Miller, L.K. Baculovirus-Mediated Expression of Bacterial Genes in Dipteran and Mammalian Cells. J. Virol. 56:153-160 (1985).	
	AF	Cooke, N.E. and Haddad, J.G., Vitamin D Binding Protein (Gc-Globulin). Endocrine Rev. 10:294-307 (1989).	
	AG	Marks, S.C., Jr. Osteoclast Biology: Lessons From Mammalian Mutations. Am. J. Med. Genet. 34:43-54 (1989).	

EXAMINER

DATE CONSIDERED

*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Please type a plus sign (+) inside this box →

Substitute for PTO/SB/O&A (08-00)
Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Project of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for Form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheet as necessary)				Complete if Known			
				Application Number	09/826,463		
				Filing Date	April 5, 2001		
				First Named Inventor	Nobuto Yamamoto		
				Group Art Unit	1647		
				Examiner Name	David S. Romeo		
				Attorney Docket Number	Y1004/20017		
Sheet	2	of	2				
U.S. PATENT DOCUMENTS							
Examiner Initials*	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM- DD-YYYY		
		Number	Kind Code (if known)				
FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T
		Office	Number	Kind Code (If known)			
OTHER DOCUMENTS - NON PATENT LITERATURE DOCUMENTS							
Examiner Initials*	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.					T
	AH	Yagi, F., Eckhardt, A.E. and Goldstein I.J., Glycosidases of Ehrlich Ascites Tumor Cells and Ascitic Fluid-Purification and Substrate Specificity of α -N-Acetylgalactosaminidase and α -Galactoidase: Comparison with Coffee Bean α -Galactosidase, Arch. Biochem. Biophys. 280:61-67 (1990).					
	AI	Haddad, J.G., Hu, Y.Z., Kowalski, M.A. Laramore, C., Ray, K. Robzyk, P. and Cooke, N.E. Identification of the Sterol-and Actin-Binding Domains of Plasma Vitamin D Binding Protein (Gc-Globulin). Biochemistry 31:7174-7181 (1992).					
EXAMINER				DATE CONSIDERED			
*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.							